

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/012674

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C10J3/00 C10G1/02 C10G9/32 C10G51/06 C10B53/06  
F23C10/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C10J C10G C10B F23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 082 615 A (HIRATO MIZUNO ET AL) 4 April 1978 (1978-04-04) the whole document	1-58
A	GB 1 398 858 A (OCCIDENTAL PETROLEUM CORP) 25 June 1975 (1975-06-25) the whole document	1-58
P, X	WO 2004/016716 A (EBARA CORP ; HOSODA SHUGO (JP); MATSUOKA KEI (JP); TOKUDOME TATSUO (JP) 26 February 2004 (2004-02-26) the whole document	1-58
X	WO 02/051966 A (EBARA CORP ; MATSUOKA KEI (JP); MIYOSHI NORIHISA (JP); TOYODA SEIICHIRO) 4 July 2002 (2002-07-04) the whole document	1-58
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

9 December 2004

Date of mailing of the international search report

18/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 030 150 A (EBARA CORP) 23 August 2000 (2000-08-23) the whole document -----	1-58
X	EP 1 043 385 A (EBARA CORP) 11 October 2000 (2000-10-11) the whole document -----	1-58

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Information on patent family members

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